# **Document Log Item**

Addressing			
From		То	
Michele Dermer/R9/USEPA/US		Adam Freedman/R9/USEPA/US@EPA	
сс		ВСС	
David Albright/R9/USEPA/US@EPA George Robin/R9/USEPA/US@EPA R9-Deep			
Description			Form Used: Reply
Subject		Date/Time	
Re: (Shell) C6 CCS Plugging & Abandonment Plans		02/25/2010 01:24 PM	
# of Attachments	Total Bytes	NPM	Contributor
0	21,199		
Processing			
Comments			

## Body

## **Document Body**

## Adam Freedman---02/24/2010 05:13:47 PM---

From: Adam Freedman/R9/USEPA/US
To: David Albright/R9/USEPA/US@EPA

Cc: George Robin/R9/USEPA/US@EPA, R9-Deep

Date: 02/24/2010 05:13 PM

Subject: Re: (Shell) C6 CCS Plugging & Abandonment Plans

### David Albright---02/24/2010 05:02:13 PM--

From: David Albright/R9/USEPA/US

To: Adam Freedman/R9/USEPA/US@EPA

Cc: George Robin/R9/USEPA/US@EPA, R9-Deep

Date: 02/24/2010 05:02 PM

Subject: Re: (Shell) C6 CCS Plugging & Abandonment Plans

Re: (Shell) C6 CCS Plugging & Abandonment Plans

Re: (Shell) C6 CCS Plugging & Abandonment Plans

Adam Freedman to: George Robin 02/24/2010 04:55 PM

Cc: R9-Deep

Deliterative Ex. (b)(5)

#### -Adam

# George Robin---02/23/2010 11:11:14 AM---Thanks Adam,

From: George Robin/R9/USEPA/US

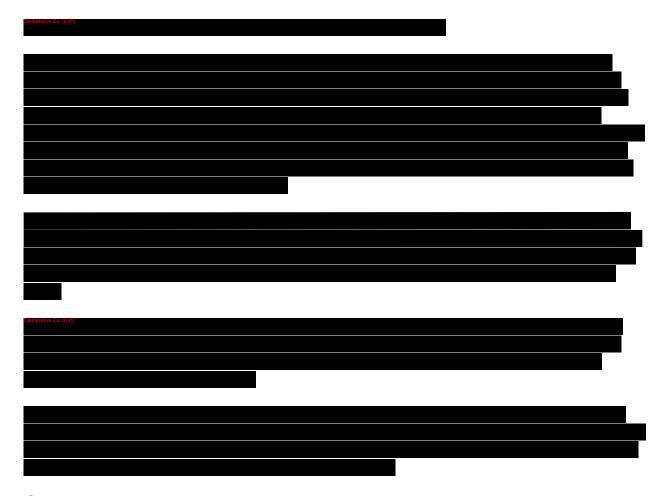
To: Adam Freedman/R9/USEPA/US@EPA

Cc: R9-Deep

Date: 02/23/2010 11:11 AM

Subject: (Shell) C6 CCS Plugging & Abandonment Plans

Thanks Adam,



# George

# Adam Freedman---02/23/2010 10:46:53 AM---George--

From: Adam Freedman/R9/USEPA/US
To: George Robin/R9/USEPA/US@EPA

Date: 02/23/2010 10:46 AM

Subject: Re: Fw: C6 CCS Plugging & Abandonment Plans

#### George--



#### -Adam

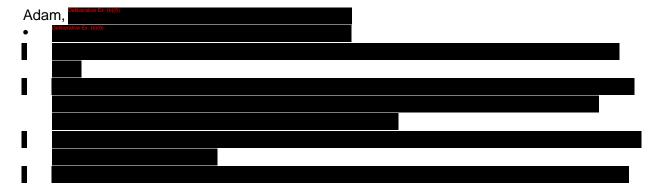
# George Robin---02/18/2010 12:49:10 PM---Adam, a

From: George Robin/R9/USEPA/US

To: Adam Freedman/R9/USEPA/US@EPA

Date: 02/18/2010 12:49 PM

Subject: Fw: C6 CCS Plugging & Abandonment Plans



Page 5 of 7

#### George

---- Forwarded by George Robin/R9/USEPA/US on 02/18/2010 12:39 PM -----

From: <Damonica.Pierson@Shell.com>
To: Adam Freedman/R9/USEPA/US@EPA
Cc: George Robin/R9/USEPA/US@EPA

Date: 02/17/2010 10:00 AM

Subject: RE: C6 CCS Plugging & Abandonment Plans

Adam and George, attached below is a schematic that visually represents the temporary and permanent P&A for the injection well. There is a note on the drawing that indicates similar P&A procedures for the monitoring well. Realizing that you originally requested two separate drawings, let me know if this will suffice.

----Original Message-----

**From:** Freedman.Adam@epamail.epa.gov [mailto:Freedman.Adam@epamail.epa.gov]

Sent: Tuesday, February 09, 2010 6:18 PM

To: Pierson, Damonica M SEPCO-SWE

**Cc:** robin.george@epa.gov

**Subject:** C6 CCS Plugging & Abandonment Plans

Damonica,

In Attachment Q of your permit application, C6 describes their general plugging and abandonment (P&A) plans. I am requesting that C6 submit schematics (similar to Figure M-1) that will complement that written description. The schematics should visually represent both the temporary and permanent P&A plans as submitted (two separate schematics

should be prepared), showing where the cement plugs will be, where mud will be used, an accurate portrayal of the wells after any of the temporarily installed monitoring equipment is removed, and the depths of relevant geologic formations. For guidance, on this website (http://www.epa.gov/region09/water/groundwater/uic-permits.html#lapaloma) click on the Final Permit for La Paloma Generating Company and see Figures 9a and 9b. If you have any questions, please feel free to contact me. Thank you.

Adam Freedman
Environmental Scientist, Underground Injection Control
U.S. Environmental Protection Agency, Region 9
75 Hawthorne Street (WTR-9)
San Francisco, CA 94105-3901
415.972.3845
freedman.adam@epa.gov [attachment "TA\_PA well schematic Injection Well.ppt" deleted by Adam Freedman/R9/USEPA/US]